

ENVIRONMENTAL PERFORMANCE SUMMARY - LIGNACITE LTD

	BASELINE				
	2010	2011	2012	2013	2014
CLIMATE CHANGE					
CO2 Emissions (KG/CO2 per m ² of Blocks produced/delivered)					
Production electricity	0.925 kg/m ²	0.754 kg/m ²			
Production LPG/Gas	0.063 kg/m ²	0.064 kg/m ²			
Production Diesel	0.442 kg/m ²	0.401 kg/m ²			
Transport Diesel	0.458 kg/m ²	0.476 kg/m ²			
total CO2/m²	1.888 kg/m²	1.695 kg/m²			
NATURAL RESOURCES AND THE ENVIRONMENT					
Abstracted Water (lt /m ²)	11.36 lt/m ²	11.84 lt/m ²			
Potable Water (lt /m ²)	0	0			
Energy use- electricity total KWH	1592000 kwh	1231289 kwh			
Energy use- LPG/Gas total lt	38553 lt	36814 lt			
Energy use - Diesel (heavy oil) total lt	148545 lt	127828 lt			
Emissions to Atmosphere - Excluding CO2	0	0			
Production Waste to landfill (Tonnes)	0	0			
Use of Recycled/Secondary Materials by Volume	29%	26.15%			
Legal Compliance - Environmental (sites in compliance)	100%	100%			
Environmental Management System to ISO 14001 (% of sites)	100%	100%			
PEOPLE AND COMMUNICATION					
Lost time Injuries (Days)	14	0			
Injuries Reportable to HSE (quantity)	1	0			
Near Miss (number of incidents)	0	0			
EMPLOYMENT AND SKILLS					
Number of Employees covered by ISO14001 & ISO9001	100%	100%			

Transport (HGV's); emission calculation based on 1569 g/Co2 per Km: (source; continuing survey of roads goods transport 2003: NAEI - NETCEN 2005

Transport Emissions g/CO2 per m2 blocks delivered

The CO2 emission factor for electricity used is 0.527 kg / kWh [Defra, 14].

The CO2 emmision by burning LPG is 1.4884 kg / lt [DEFRA,]

The CO2 emmision by combusting 1 lt Diesel (heavy oil) is 2.7 kg /lt [Defra]

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